

1. PRODUCT NAME, NUMBER, SYNONYM: Skydrol 500B
2. MANUFACTURER'S NAME: Monsanto Company
3. MANUFACTURER'S ADDRESS: 800 N. Lindbergh Blvd., St. Louis, Mo. 63166
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: No special precautions required. Absorb liquids in rags or oil absorbent compound and wash area with detergent and water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: No special precautions required.
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash with soap and water
- B. EYE CONTACT: Flush eyes with copious quantities of water for at least 15 minutes. Refer patient to a physician. Physicians have used cortisone type eye drops and 0.5% Pontocain Ophthalmic solution to relieve pain.
- C. INHALATION: Not considered likely to be necessary in the event of exposure to heavy mist concentration. Treat symptomatically for respiratory tract exposure.
- D. ANTIDOTE IN CASE OF SWALLOWING: Induce vomiting and refer patient to physician for symptomatic treatment.
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Oral LD<sub>50</sub> in rats approximately 2500 mg/kg and in rabbits 3200 mg/kg.
- B. LOCAL EFFECTS UPON EYES: In rabbits eyes about as irritating as 10% toilet soap solution. In humans, pain is severe and out of proportion to degree of tissue irritation.
- C. LOCAL EFFECTS UPON SKIN: Product is non-irritating nor is it a sensitizer. Its solvent properties may defat the skin if there is prolonged and repeated contact.
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Not an acute hazard because of low volatility.
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): At ambient temperature odor is mild pleasant ester-like. Mist is irritating to eye, nose and throat.
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not established.
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) 1.06
- B. VAPOR DENSITY (AIR = 1) \_\_\_\_\_
- C. VAPOR PRESSURE mm Hg AT 25°C. 7 mm
- D. pH \_\_\_\_\_
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Satisfactory with those aircraft materials specified for use with fire resistant aircraft hydraulic fluids.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Phosphate esters	about 95%
Additives	about 5%

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Good industrial hygiene practice and avoiding prolonged and repeated skin contact.

10. RECOMMENDED PROTECTIVE EQUIPMENT: None

11. A. FLASHPOINT °F: CLOSED CUP \_\_\_\_\_; OPEN CUP >340°F.; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: \_\_\_\_\_

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER \_\_\_\_\_; UPPER \_\_\_\_\_

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES \_\_\_\_\_; NO X

D. FIRE POINT °F >400°F.; AUTO IGNITION TEMPERATURE °F >900°F.

E. VAPOR DENSITY \_\_\_\_\_

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Soot, CO, CO<sub>2</sub>, phenolics, aldehydes, etc.

G. SUITABLE EXTINGUISHING AGENTS: Use CO<sub>2</sub> or dry foam extinguishing agents.

12. INFORMATION FURNISHED BY: R. Emmet Kelly, M. D.  
TITLE: Medical Director  
COMPANY: Monsanto Company  
ADDRESS: 800 North Lindbergh Blvd.  
St. Louis, Missouri 63166  
DATE: October 1, 1970

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.